

In the Claims:

This listing of claims replaces all prior versions, and listings, of claims in the application.

1. (Currently Amended) Intervertebral An intervertebral disc prosthesis, with comprising two cover plates and a prosthesis core (5) which is connected to one of the cover plates (1) by means of connection profiles (8, 8', 14, 14') on the one of the cover plates and the prosthesis core which are undercut in a complementary manner, characterized in that wherein the connection profiles (8, 8', 14, 14') include at least one pair of substantially straight profile sections (9, 16) which are symmetrical disposed symmetrically with respect to the AP an anterior-posterior direction (10) of the prosthesis in an implanted position and are arranged at an angle to one another.

2. (Canceled)

3. (Currently Amended) Intervertebral The intervertebral disc prosthesis according to Claim 1 [[or 2]], characterized in that wherein the profile sections (9, 16) arranged at an angle to one another are arranged on the a dorsal side of the intervertebral disc prosthesis and are held in engagement with each other by means (11, 18) an engaging structure arranged on the a ventral side of the intervertebral disk prosthesis in the implanted position.

4. (Currently Amended) Intervertebral The intervertebral disc prosthesis according to Claim 3, characterized in that the profile sections (9, 16) arranged on the dorsal side are provided in addition to further comprising a pair of laterally arranged profile sections (7').

5. (Currently Amended) Intervertebral The intervertebral disc prosthesis according to Claim 1 [[or 2]], characterized in that wherein the angle (α) between the profile sections (9, 16) arranged at an angle to one another is not greater than 150°.